

FIG. 1

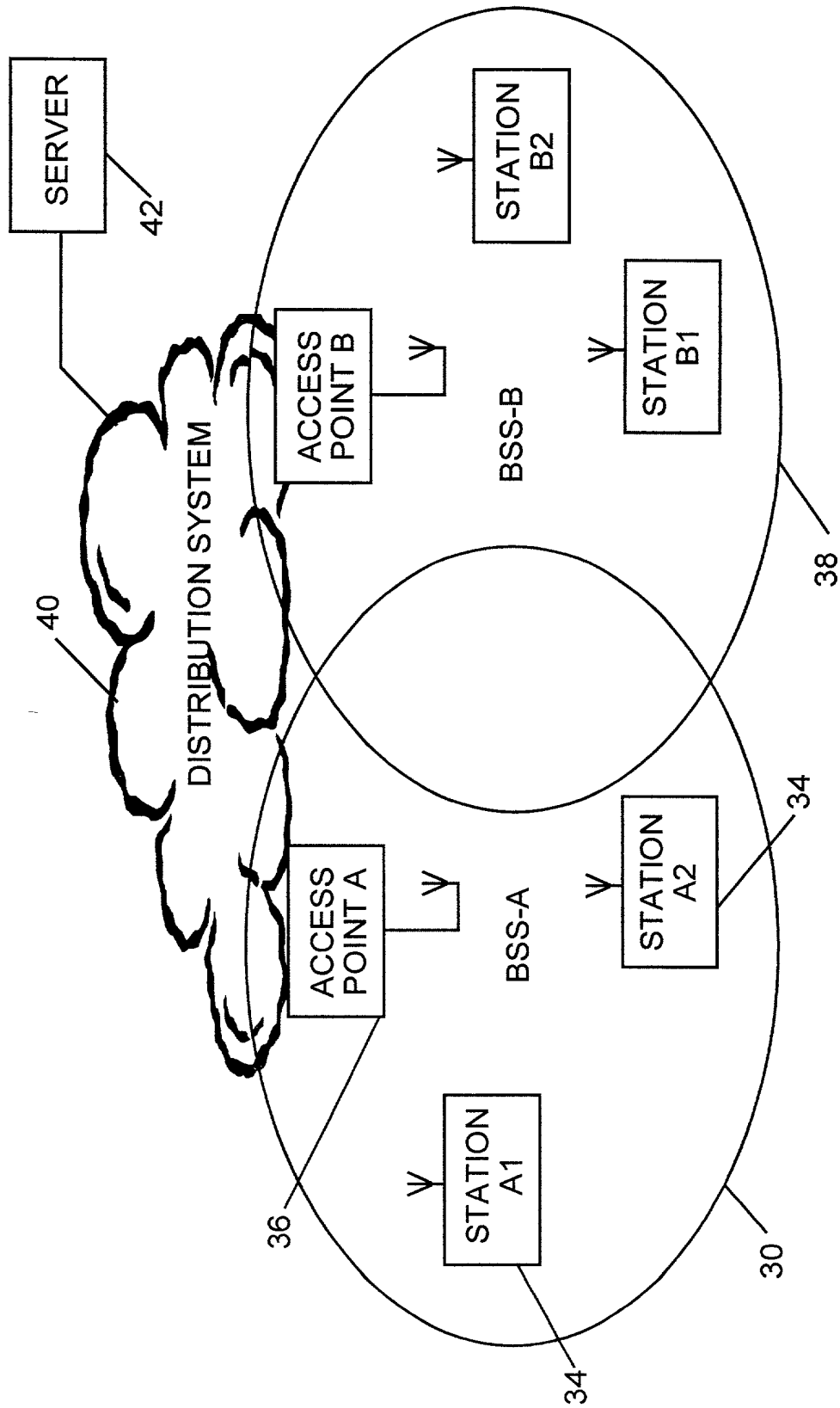


FIG. 2

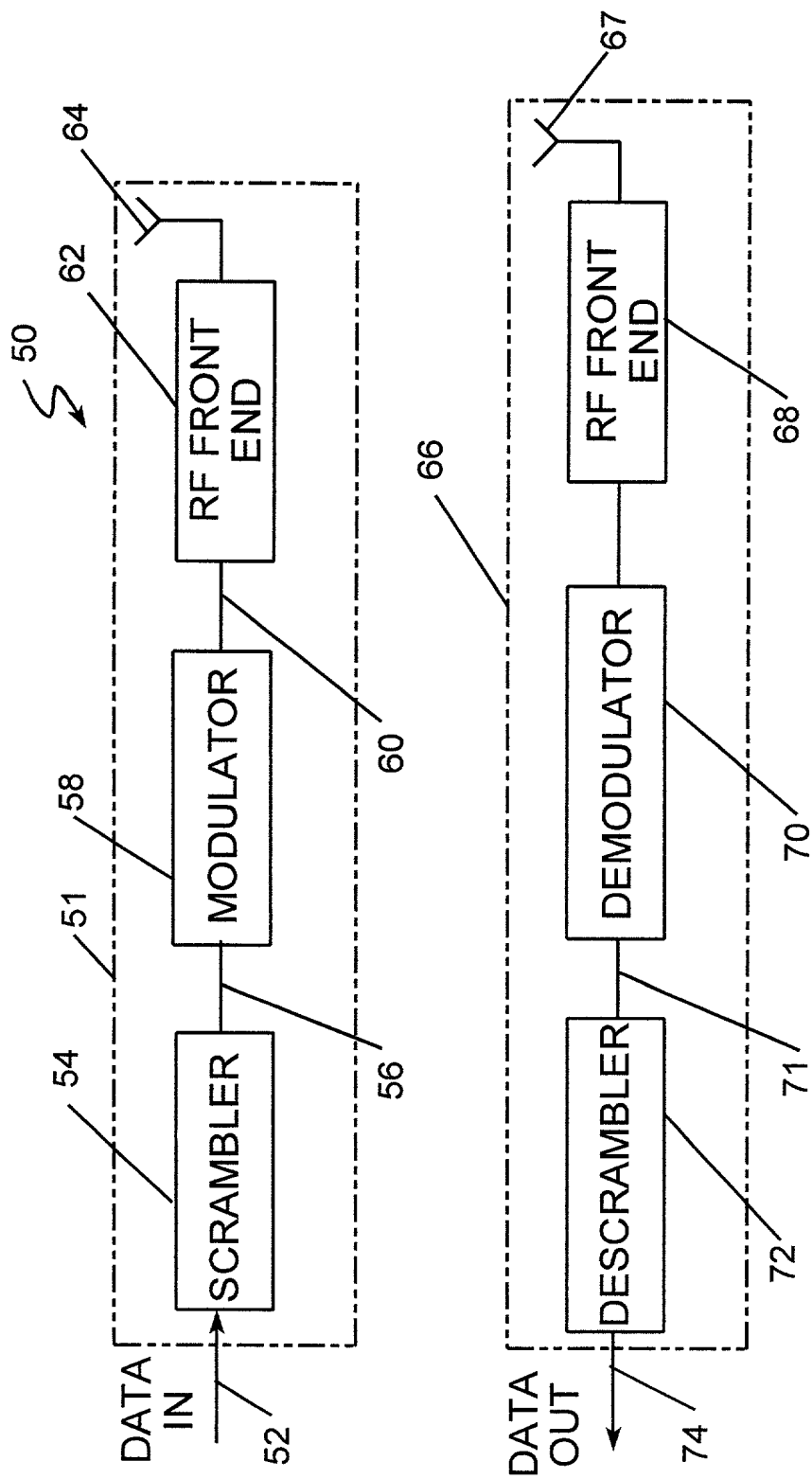


FIG. 3

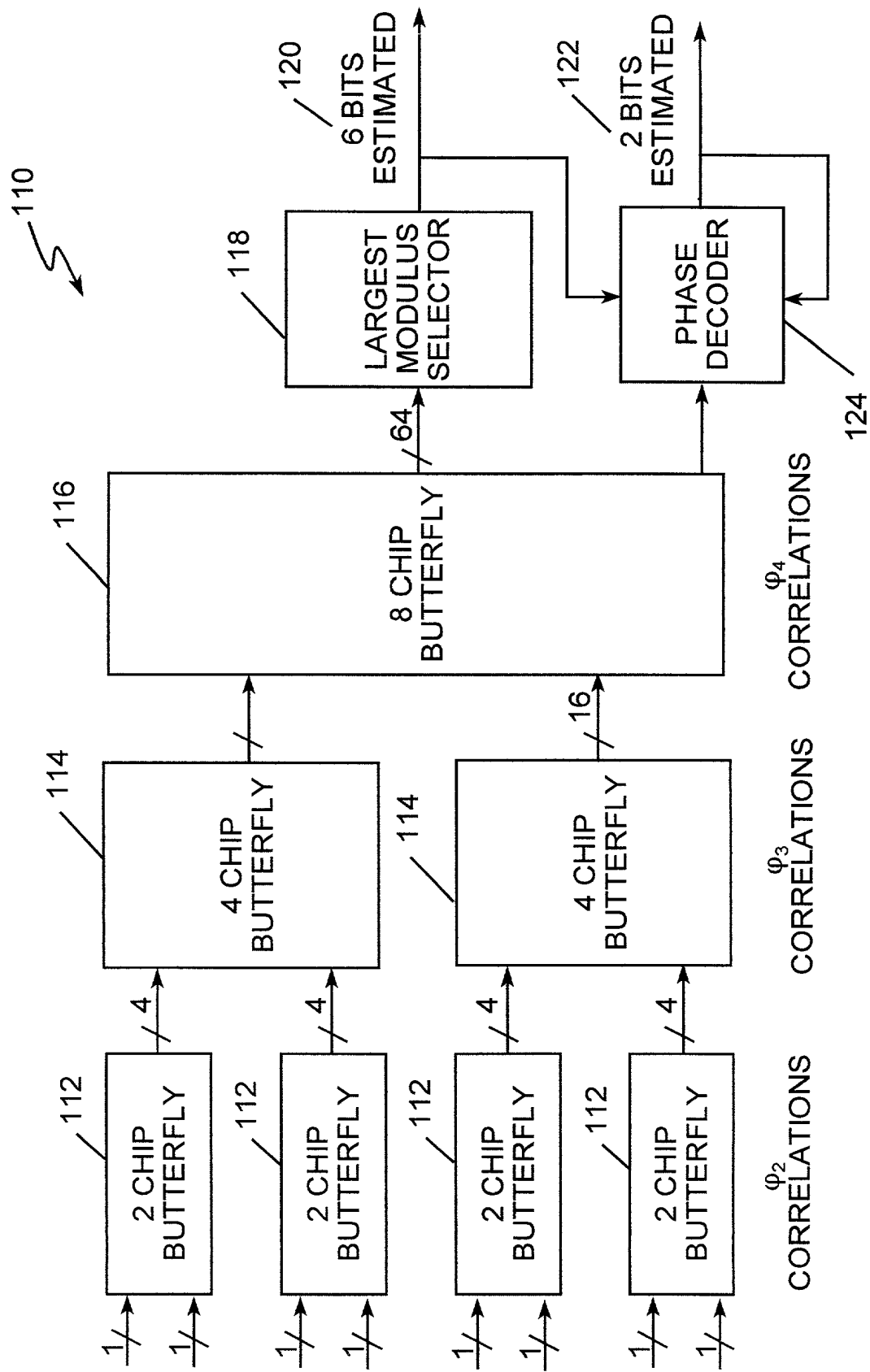


FIG. 4  
(PRIOR ART)

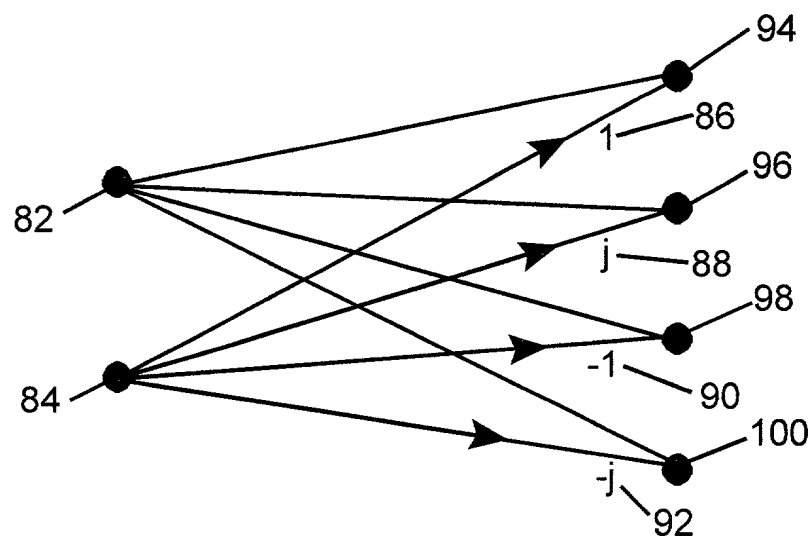


FIG. 5

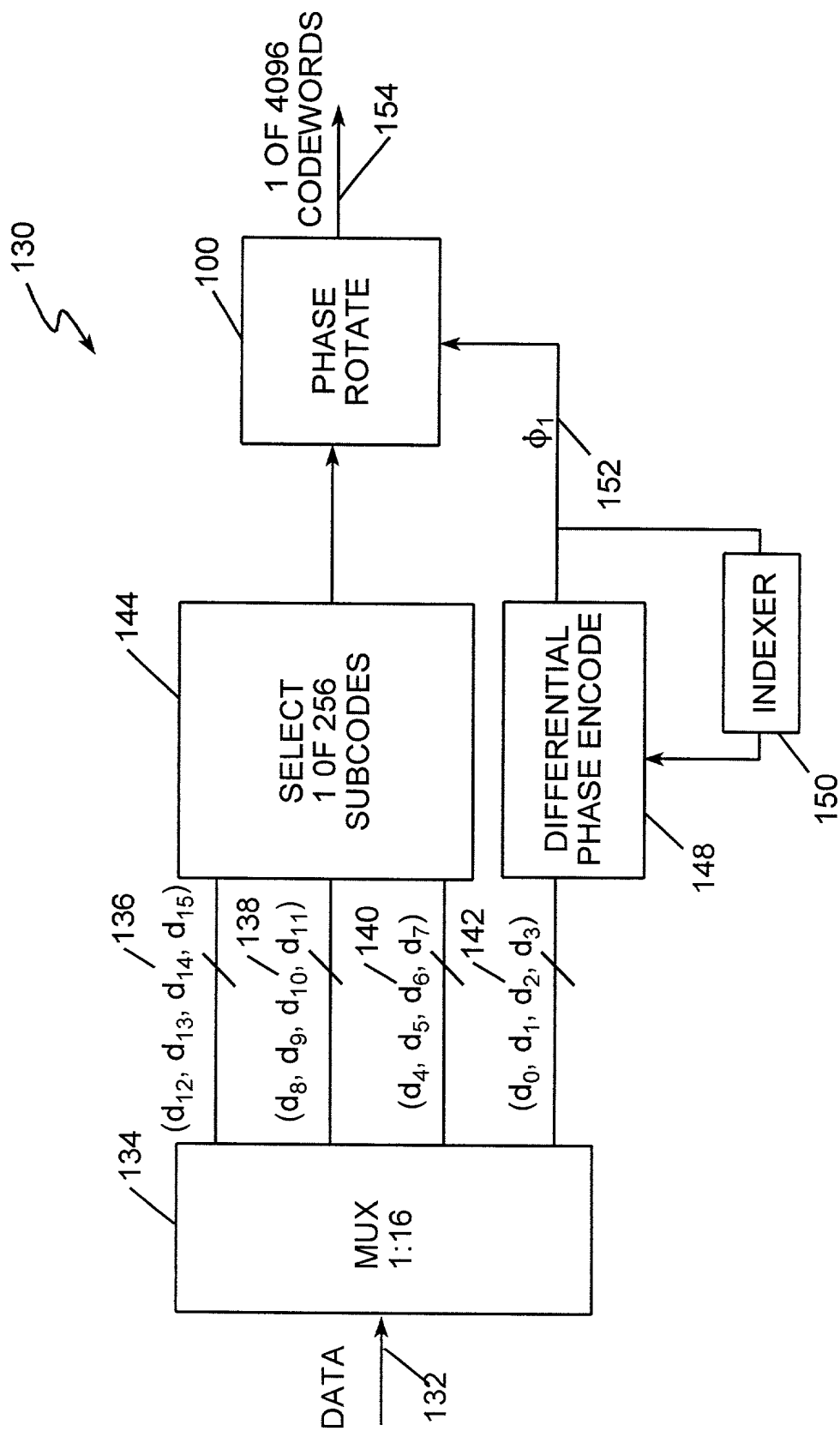


FIG. 6

$$M_2 = \begin{bmatrix} \exp(j\varphi_2) & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \exp(j\varphi_2) & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \exp(j\varphi_2) & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\exp(j\varphi_2) & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix}$$

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$$M_3 = \begin{bmatrix} \exp(j\varphi_3) & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \exp(j\varphi_3) & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \exp(j\varphi_3) & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \exp(j\varphi_3) & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix}$$

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$$M_4 = \begin{bmatrix} \exp(j\varphi_4) & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \exp(j\varphi_4) & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \exp(j\varphi_4) & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \exp(j\varphi_4) & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{bmatrix}$$

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FIG. 7

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$$M_{2E} = \begin{vmatrix} \exp(j\phi_2 + \psi_2) & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \exp(j\phi_2 + \psi_2) & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & -1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \exp(j\phi_2 + \psi_2) & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & -\exp(j\phi_2 + \psi_2) & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{vmatrix}$$

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$$M_{3E} = \begin{vmatrix} \exp(j\phi_3 + \psi_3) & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \exp(j\phi_3 + \psi_3) & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 1 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & \exp(j\phi_3 + \psi_3) & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & \exp(j\phi_3 + \psi_3) & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{vmatrix}$$

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$$M_{4E} = \begin{vmatrix} \exp(j\phi_4 + \psi_4) & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & \exp(j\phi_4 + \psi_4) & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & \exp(j\phi_4 + \psi_4) & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & \exp(j\phi_4 + \psi_4) & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 1 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 1 \end{vmatrix}$$

FIG. 8



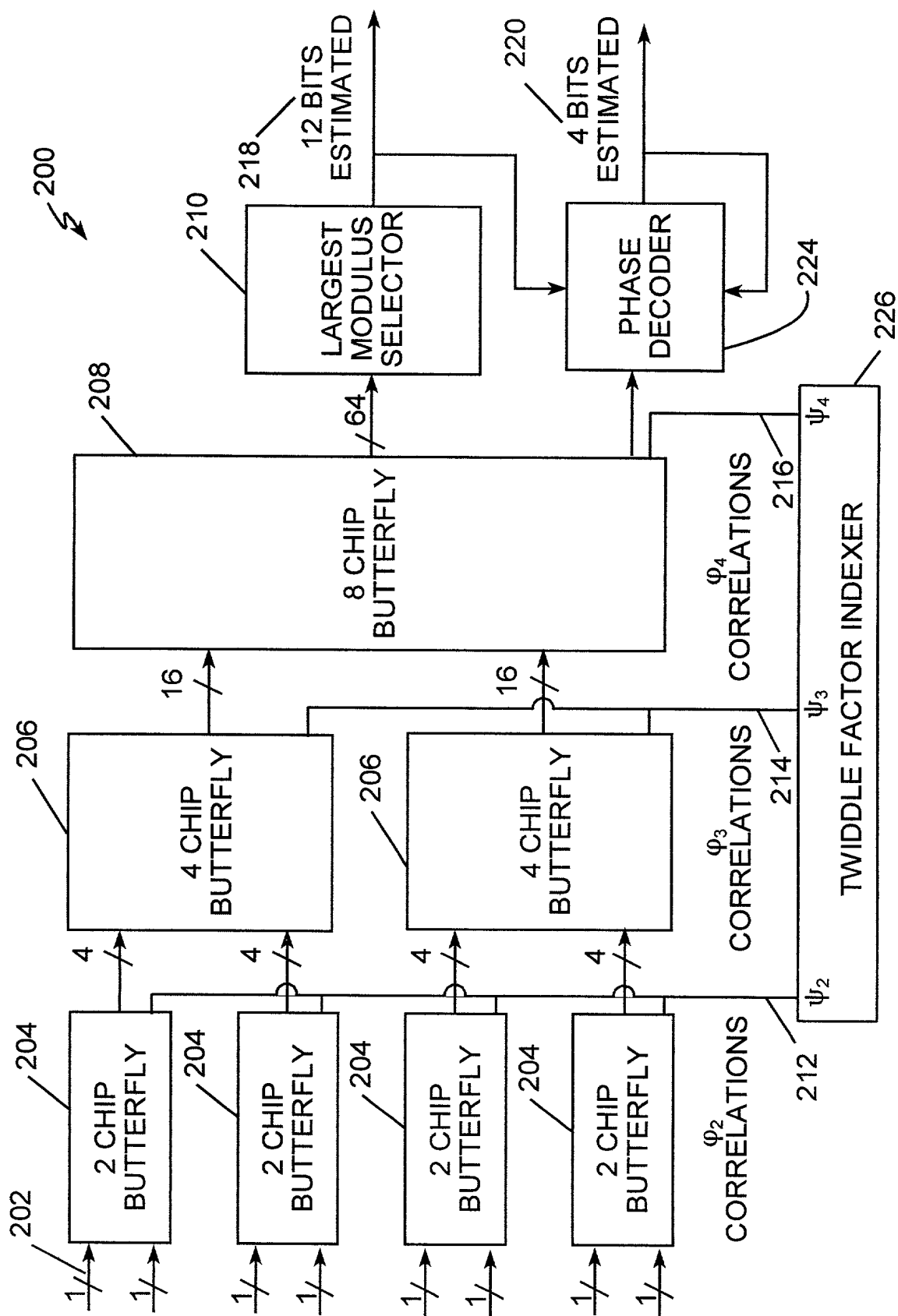


FIG. 9

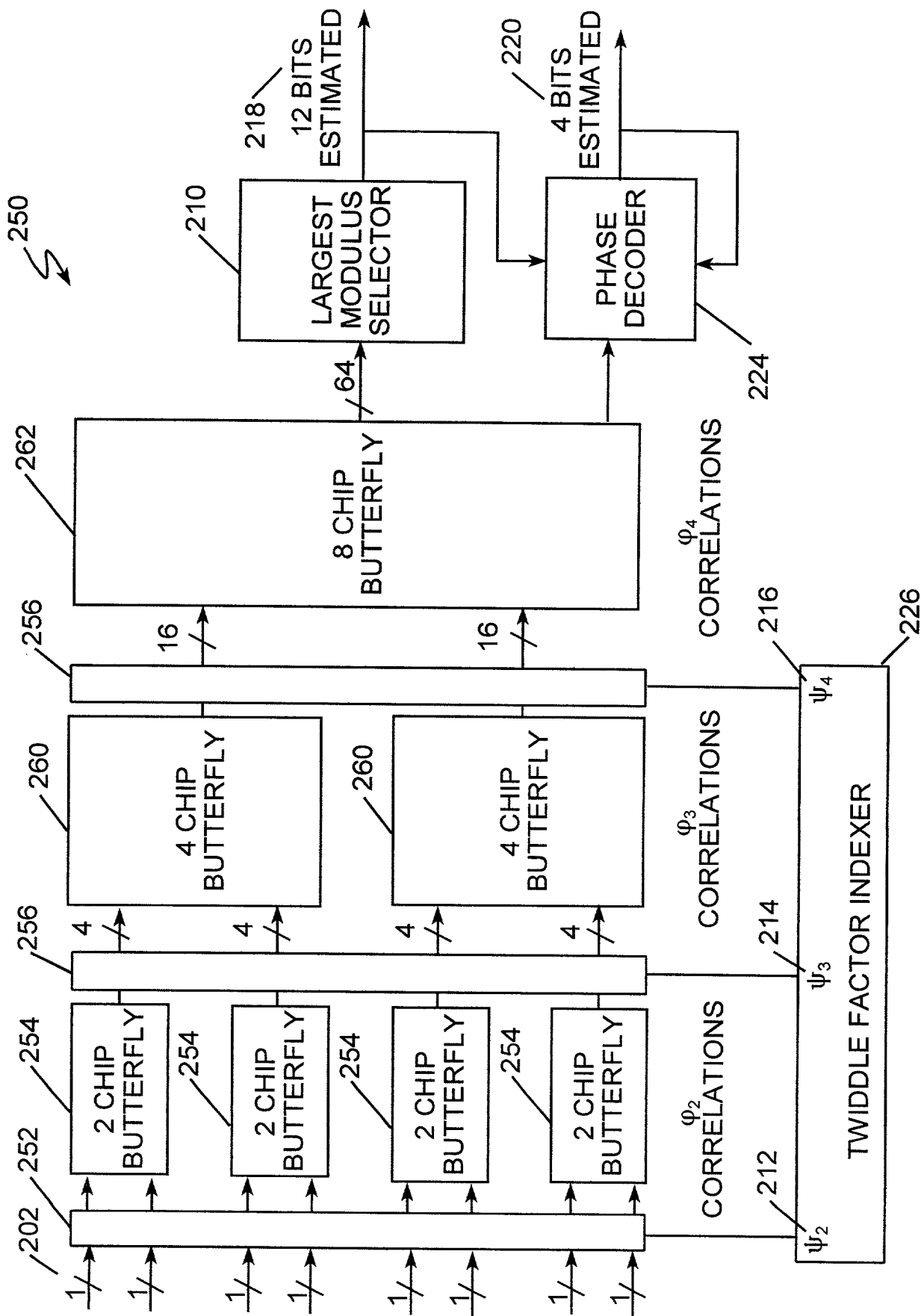


FIG. 10